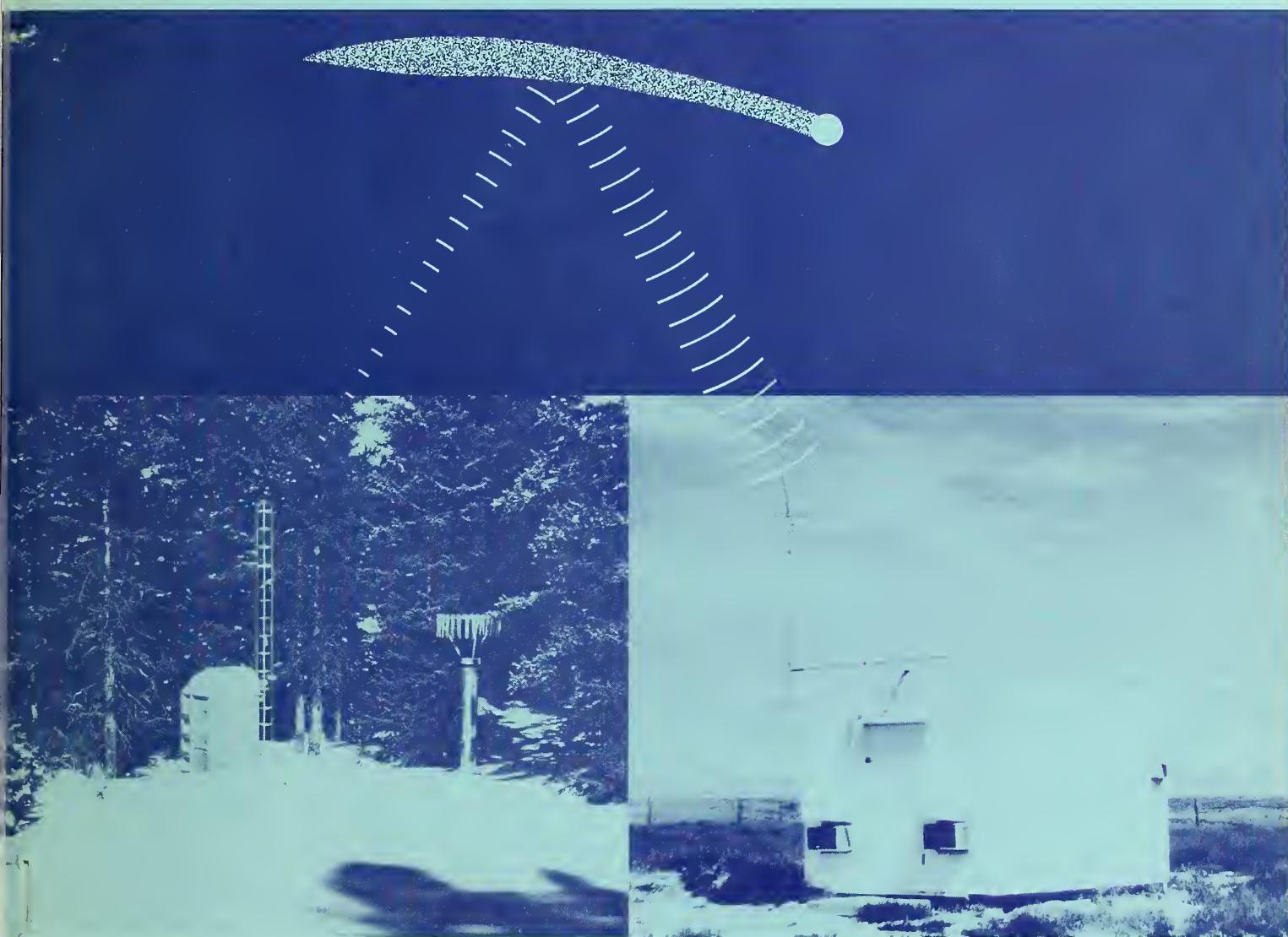


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WATER SUPPLY OUTLOOK FOR WYOMING



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE
Collaborating with
STATE ENGINEER of WYOMING

AS OF
APR. 1, 1978

Data included in this report were obtained by the agencies named above in cooperation
with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

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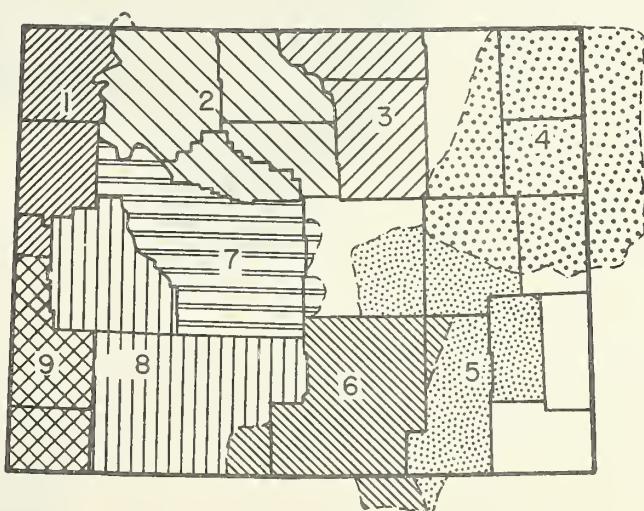
Water Supply Outlook by Major Watershed Areas

- Area 1 Snake, Madison and Upper Yellowstone Watersheds
- Area 2 Bighorn Basin
- Area 3 Powder and Tongue River Watersheds
- Area 4 Belle Fourche and Cheyenne River Watersheds
- Area 5 Lower North Platte River Watershed
- Area 6 Upper North Platte and Little Snake River Basins
- Area 7 Wind River Basin and Sweetwater River Watershed
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Basic Data Supplement 1 - Snow data

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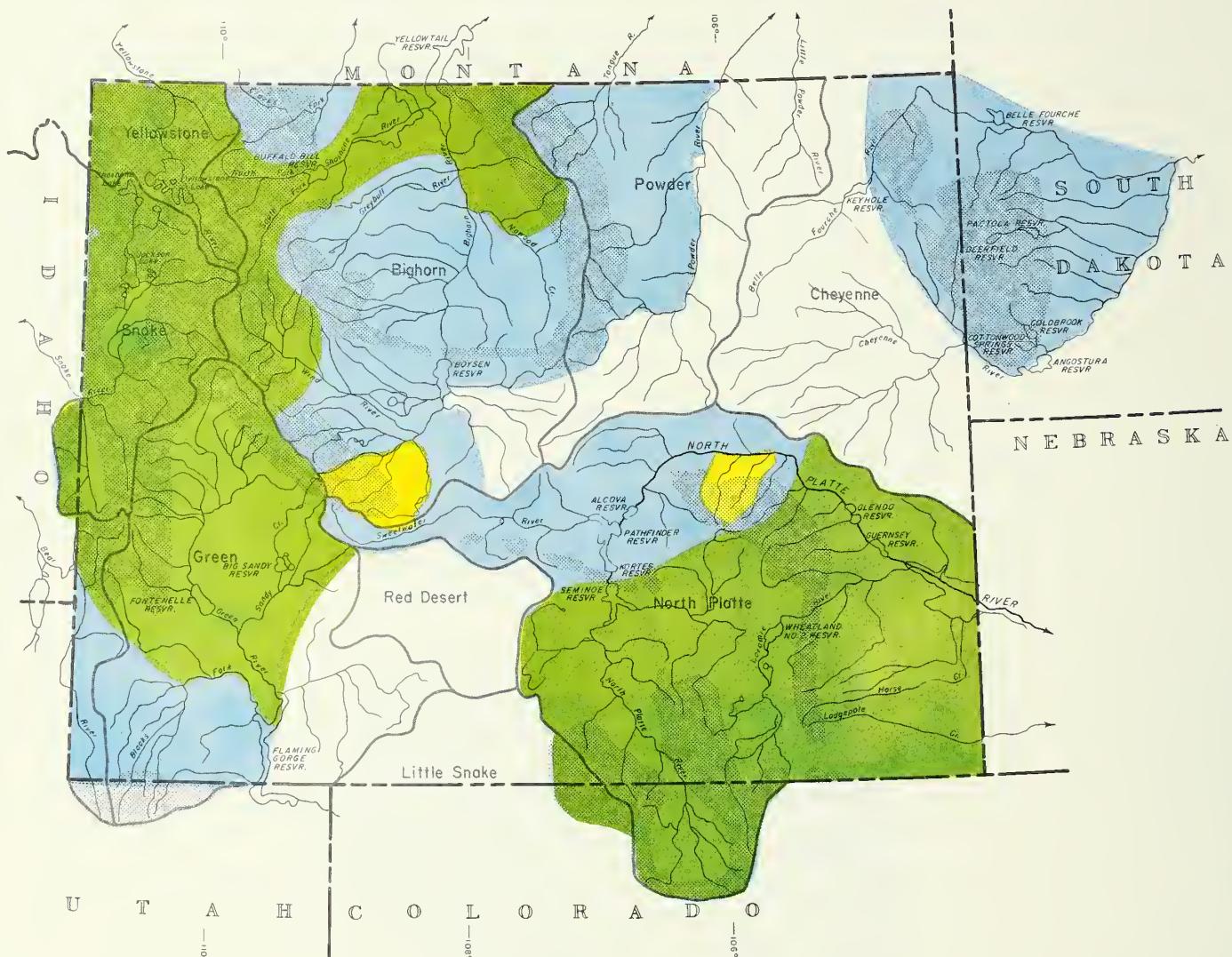


WATERSHED AREA LOCATIONS

PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

April 1, 1978

50 MILES
SCALE 1 : 4,250,000



FORECAST STREAM FLOW
in Percent of 1958-1972 Year Average

- Below 80%
- 80% - 120%
- Above 120%
- Not Forecast or Non-Irrigated
- Mountain Areas





Measuring water content on course in Snowy Range.

WYOMING SUMMARY
as of
APRIL 1, 1978

SNOWPACK

March weather conditions included above normal temperatures and heavy snowfalls in some isolated areas. The result is generally diminished snowpacks (by 5 to 15 percent) from last month.

Northeastern Wyoming snowpacks are lowest at 29 percent of average. Bighorn Basin has near average conditions while the rest of the state has above average snow accumulations. Little Snake River drainage is highest at 143 percent of normal.

PRECIPITATION

Lower elevation precipitation for March was generally less than 50 percent of normal except for the extreme southwestern area. One-third of the stations reported less than 0.25 inches of liquid precipitation. Seasonal totals (since October 1, 1977) remain at 30-40 percent above normal in western Wyoming to 25-50 percent below normal along the east slope of the Wind River Range and in southeastern Wyoming.

STREAMFLOW

Average to excellent streamflow volumes are forecast. The northeast corner is an exception where flows will be much below normal. Deer Creek (25 percent below normal) and Little Popo Agie (17 percent below) are also low, while the Upper North Platte and Snake River Basin drainages are as high as 49 percent above normal.

RESERVOIR STORAGE

Much above normal volumes are reported for all reservoirs in the Black Hills region. Other reservoirs across the state have near to above normal storage while the Snake River reservoirs still remain low. Jackson Lake is 37 percent below normal and Palisades Reservoir is 64 percent below the April 1 average.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

APRIL 1, 1978

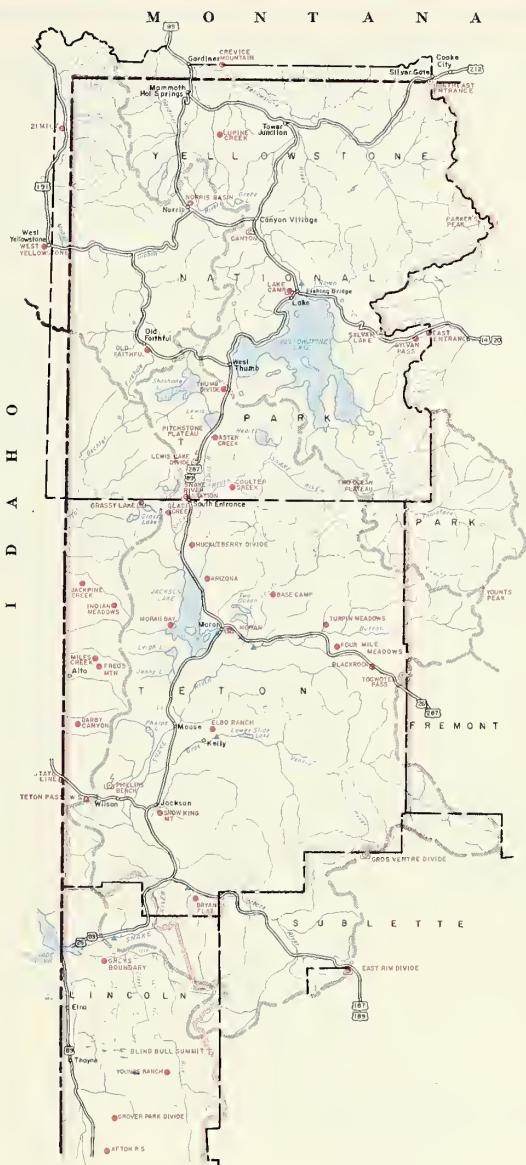


LOCATION MAP



LEGEND

- SNTEL
 - Snow Course
 - Snow Sensor
 - Aerial Marker (A)
 - Storage Precipitation Gage (P)
 - Stream Gaging Station
 - Dripline
 - Highway
- 10 0 10 20 MILES
- 1:100,000,000 Conservation District Boundary
- 1:1,000,000 Watershed Boundary



YOUR WATER SUPPLY

THE WATER SUPPLY OUTLOOK REMAINS EXCELLENT FOR THIS AREA. WARM TEMPERATURES DURING MARCH PRODUCED SOME EARLY SNOWMELT BUT LITTLE RUNOFF. PRECIPITATION HAS BEEN ABOVE AVERAGE AND MOST STREAMS ARE FORECAST AT 25-50% ABOVE NORMAL. RESERVOIR STORAGE REMAINS BELOW NORMAL.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST THousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET
				Last Year **
Yellowstone River at Yellowstone Lake Outlet	900	110	Apr-Sept	387
Snake River near Moran (1)	1080	126	Apr-Sept	340
Snake River above Palisades near Alpine (1)	3350	128	Apr-Sept	1037
Snake River at Heise (2)	4970	126	Apr-Sept	1494
Pacific Creek at Moran	224	132	Apr-Sept	--
Greys River above Palisades	580	149	Apr-Sept	90
Salt River above Palisades near Etna	520	142	Apr-Sept	121
Palisades Reservoir Inflow (1)	4775	130	Apr-Sept	1031
Swift Creek near Afton	- Not Forecast -		May-Sept	19.3
				45

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Madison (Wyo. only)	4	249	114
Yellowstone (Wyo. only)	8	232	109
Snake ab. Jackson Lake	10	307	121
Pacific Creek	2	321	128
Buffalo Creek	6	238	119
Gros Ventre River	3	243	113
Hoback River	5	324	121
Greys River	4	339	130
Salt River	5	250	133

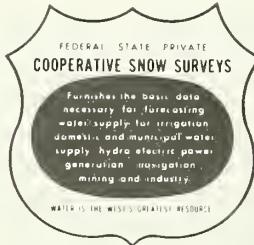
RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Grassy Lake	15.1	9.2	10.8	10.5
Jackson Lake	847.0	325.8	615.8	517.0
Palisades	1200.0	285.8	1165.8	794.4

+ 1958-1972 period.

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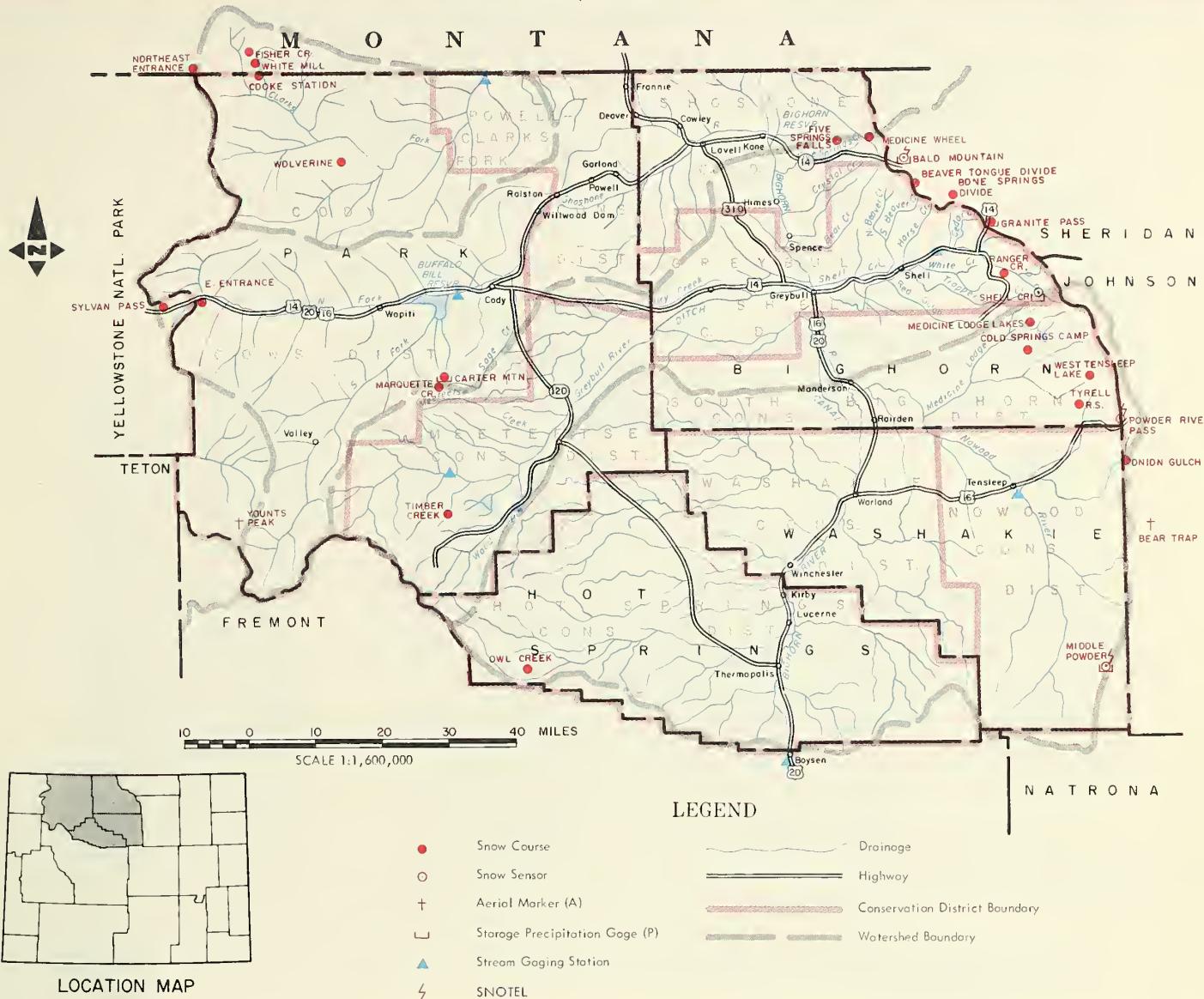


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

APRIL 1, 1978



LOCATION MAP

YOUR WATER SUPPLY

ADEQUATE WATER SUPPLIES ARE FORECAST FOR THE SPRING AND SUMMER MONTHS IN THE BIGHORN BASIN. DUE TO THE WARM MARCH TEMPERATURES, MUCH OF THE PRECIPITATION FELL AS RAIN RATHER THAN SNOW. IN ADDITION, MUCH OF THE LOW ELEVATION SNOW HAS MELTED AND SNOWPACK PERCENTAGES ARE LOWER THAN LAST MONTH. STREAMFLOW VOLUMES ARE ALL FORECAST AT OR ABOVE NORMAL AND RESERVOIR STORAGE IS EXCELLENT.

BIGHORN BASIN

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year **	Average +
Wind River below Boysen (1)	1070	106	Apr-Sept	479	1006
Tensleep Creek near Tensleep	85	108	Apr-Sept	-	79
Medicine Lodge Creek near Hyattville	23	110	Apr-Sept	-	21
Shell Creek near Shell	82	112	Apr-Sept	55	73
Greybull River at Meeteetse	210	100	Apr-Sept	134	209
Shoshone River below Buffalo Bill Dam (2)	1000	121	Apr-Sept	381	827
Clarks Fork near Belfry	705	116	Apr-Sept	-	607

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoir; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Clarks Fork	5	216	123
Shoshone	4	200	115
Nowood	5	109	81
Shell	4	123	113
Greybull	2	54	45

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Boysen	549.9	282.5	307.3	230.3
Buffalo Bill	373.1	151.4	175.2	135.0
Bighorn	1356.0	773.8	848.0	796.2
Upper Sunshine	53.0	N.R.	43.1	-
Lower Sunshine	58.9	N.R.	43.0	-

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	THIS YEAR		PAST REC.	
			Water Cont. (In.)	Last Yr.	Ave +	Water Content (inches)
Bald Mountain	3/29	73	25.8	28.4	24.0	
Bear Trap Aerial	3/29	35	10.2	11.0	9.8	
Bone Spring Divide	3/29	59	19.5	20.5	19.1	
Carter Mountain	3/30	13	3.8	4.2	4.9	
Cooke Station	3/31	65	27.6	12.4	20.5	
East Entrance	4/01	27	11.4	4.8	8.9	
Fisher Creek	3/31	99	43.7	22.8	38.5	
Five Springs Falls	3/31	27	8.7	11.4	7.9	
Marquette Creek	3/30	18	5.0	8.0	-	
Medicine Lodge Lakes	3/29	48	14.1	7.2	12.4	
Middle Powder	- Delayed -			19.0	12.6	
Northeast Entrance	4/01	30	11.8	5.4	9.5	
Onion Gulch	3/29	35	9.8	9.0	9.6	
Owl Creek	4/01	5	1.4	4.3	6.2	
Powder River Pass	3/29	44	12.7	10.2	13.9	
Ranger Creek	3/29	40	12.0	5.8	10.2	
Shell Creek	3/29	56	19.7	8.0	15.1	
Sylvan Pass	4/01	37	15.2	6.7	13.4	
Timber Creek	4/01	0	0.0	2.8	3.5	
Tyrell R.S.	3/29	34	9.6	7.2	9.2	
White Mill	3/31	83	34.2	15.8	27.7	
Wolverine	3/29	42	16.8	5.8	12.9	
Younts Peak Aerial	3/28	63	25.2	10.2	24.2	

+ 1958-1972 period

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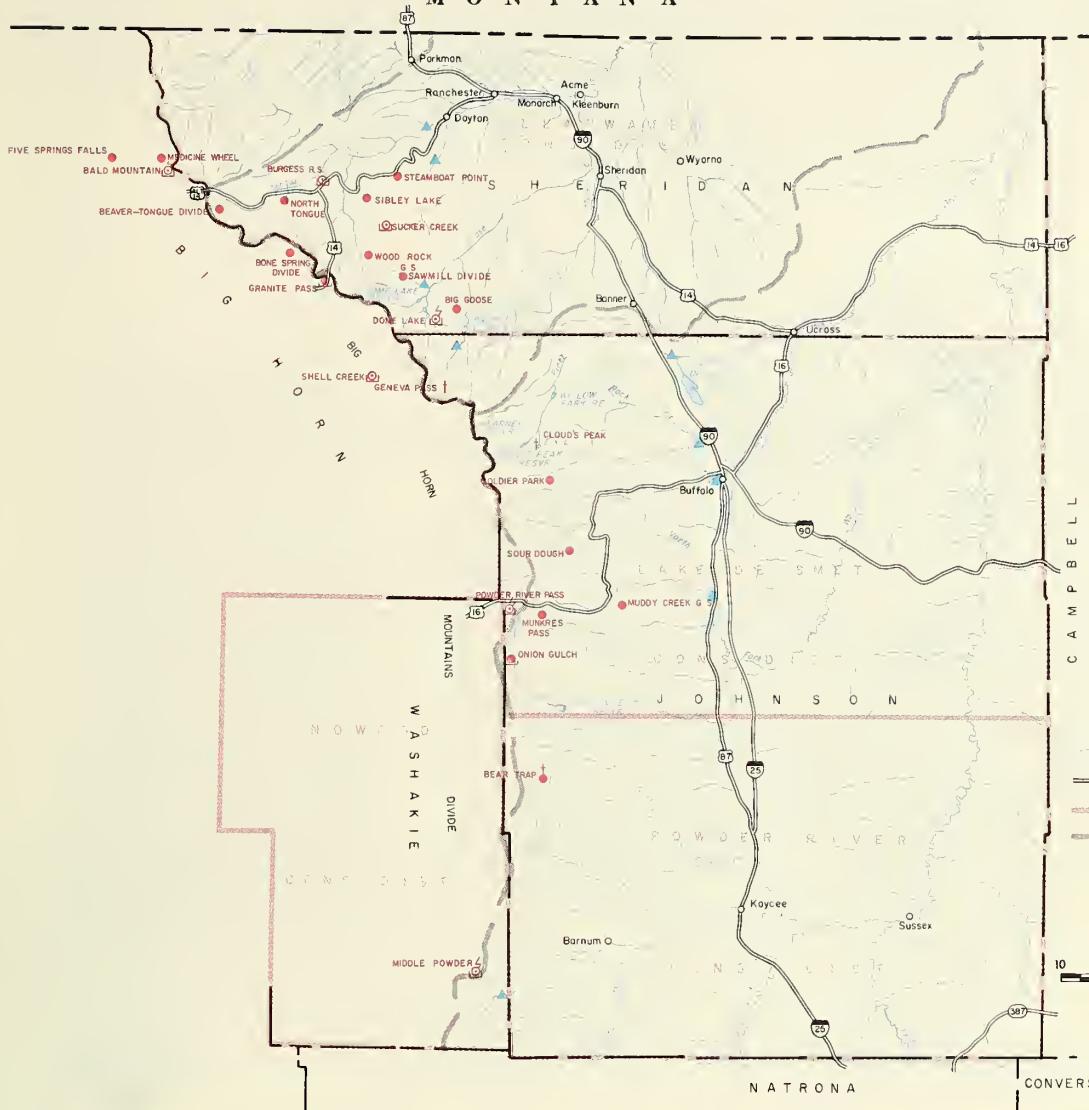
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE POWDER AND TONGUE WATERSHEDS IN WYOMING

APRIL 1, 1978

MONTANA



LOCATION MAP



LEGEND

- SNOW
Snow Course
- Sensor
- Aerial Marker (A)
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

SCALE 1:1,250,000

YOUR WATER SUPPLY

NEAR AVERAGE SPRING AND SUMMER STREAMFLOWS ARE EXPECTED IN THE POWDER AND TONGUE RIVER WATERSHEDS. SNOWPACKS HAVE BEEN DIMINISHED SOMEWHAT BY EARLY WARM TEMPERATURES BUT STILL REMAIN NEAR NORMAL FOR APRIL 1.

POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
Tongue River near Dayton	120	106	Apr-Sept	107	113
Middle Fork Powder River near Barnum	- Not Forecast -		Apr-Sept	-	23*
North Fork Powder River near Hazelton	10.5	105	Apr-Sept	7.7	10
Clear Creek near Buffalo	- Not Forecast -		Apr-Sept	25.4	36
Rock Creek near Buffalo	- Not Forecast -		Apr-Sept	-	23
Piney Creek at Kearny	- Not Forecast -		Apr-Sept	-	49

^{**} Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Tongue River	5	70	92
Coose Creek	4	109	101
Clear Creek	4	105	91
Crazy Woman Creek	3	110	95
Powder River	3	108	98

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
- No Reservoir Data -				

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	THIS YEAR		PAST REC	
			Water Cont. (In.)	Last Yr.	Ave +	Water Content (inches)
Bald Mountain	3/29	73	25.8	28.4	24.0	
Beartrap Aerial	3/29	35	10.2	11.0	9.8	
Big Coose	3/29	25	5.7	12.0	8.3	
Bone Spring Divide	3/29	59	19.5	20.5e	19.1	
Burgess Ranger Station	3/29	28	7.7	14.9	8.4	
Cloud Peak Aerial	3/29	36	10.4	13.2	13.0	
Dome Lake	3/29	32	8.8	13.6	10.6	
Five Springs Falls	3/31	27	8.7	11.4	7.9	
Geneva Pass Aerial	3/29	50	17.5	14.0	17.3	
Middle Powder	- Delayed -		19.0	12.6		
Muddy Creek C.S.	3/29	18	3.6	4.6	4.1	
North Tongue	3/29	40	12.2	17.8e	14.2	
Onion Gulch	3/29	35	9.8	9.0	9.6	
Powder River Pass	3/29	44	12.7	10.2	13.9	
Sawmill Divide	3/29	43	12.7	-	-	
Shell Creek	3/29	56	19.7	8.0	15.1	
Soldier Park	3/29	28	7.1	5.7	6.5	
Sour Dough	3/29	27	6.7	5.9	7.2	
Steamboat Point	3/29	27	7.7	13.4	8.7	
Sucker Creek	3/29	37	11.5	18.0	14.0	
Wood Rock C.S.	3/29	36	10.2	13.6	11.2	

e - Estimated

A - Aerial stadia marker. Water content estimated. +

1958-1972 period

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**WATER SUPPLY OUTLOOK
FOR THE CONSERVATION DISTRICTS IN THE
BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS
IN WYOMING AND SOUTH DAKOTA**



VERY WARM TEMPERATURES HAVE REDUCED THE BLACK HILLS SNOWPACKS TO LESS THAN ONE-HALF THE APRIL 1 AVERAGES. STREAMFLOWS ARE EXPECTED TO BE BELOW NORMAL THIS SPRING AND SUMMER UNLESS WE RECEIVE ABNORMALLY HIGH SPRING SNOWS AND RAINS IN THIS AREA. RESERVOIR STORAGE IS EXCELLENT WITH ALL RESERVOIRS STORING MUCH ABOVE AVERAGE VOLUMES.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year
- No forecasts for this area -				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Belle Fourche	4	17	29

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Keyhole	190.4	142.6	126.3	80.1
Belle Fourche	185.2	159.6	86.3	117.1
Angostura	86.2	77.5	45.3	62.6
Deerfield	15.1	15.2	15.1	11.5
Pactola	55.0	50.5	53.5	39.2
Shadehill	81.5	138.0*	63.9	63.1

*Estimated figure; reservoir is approximately 57,000 acre-feet into the flood pool.

+ 1958-1972 period

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	THIS YEAR		PAST REC.	
			Water Cont. (In.)	Water Content (inches)	Last Yr.	Ave.+
Bearlodge Divide	3/30	0	0.0	7.2	3.2	
Mallo Pillow	3/30	15	5.8	13.5	-	
Mount Tom Pillow	- No	Report	-	-	-	
Reuter Canyon	3/30	21	3.2	17.2	9.8	
Sweetwater Mountain Pillow	- No	Report	-	11.2	-	
Upper Spearfish	3/30	15	3.2	14.4	7.3	
Warren Peak	3/30	20	2.9	15.2	11.6	

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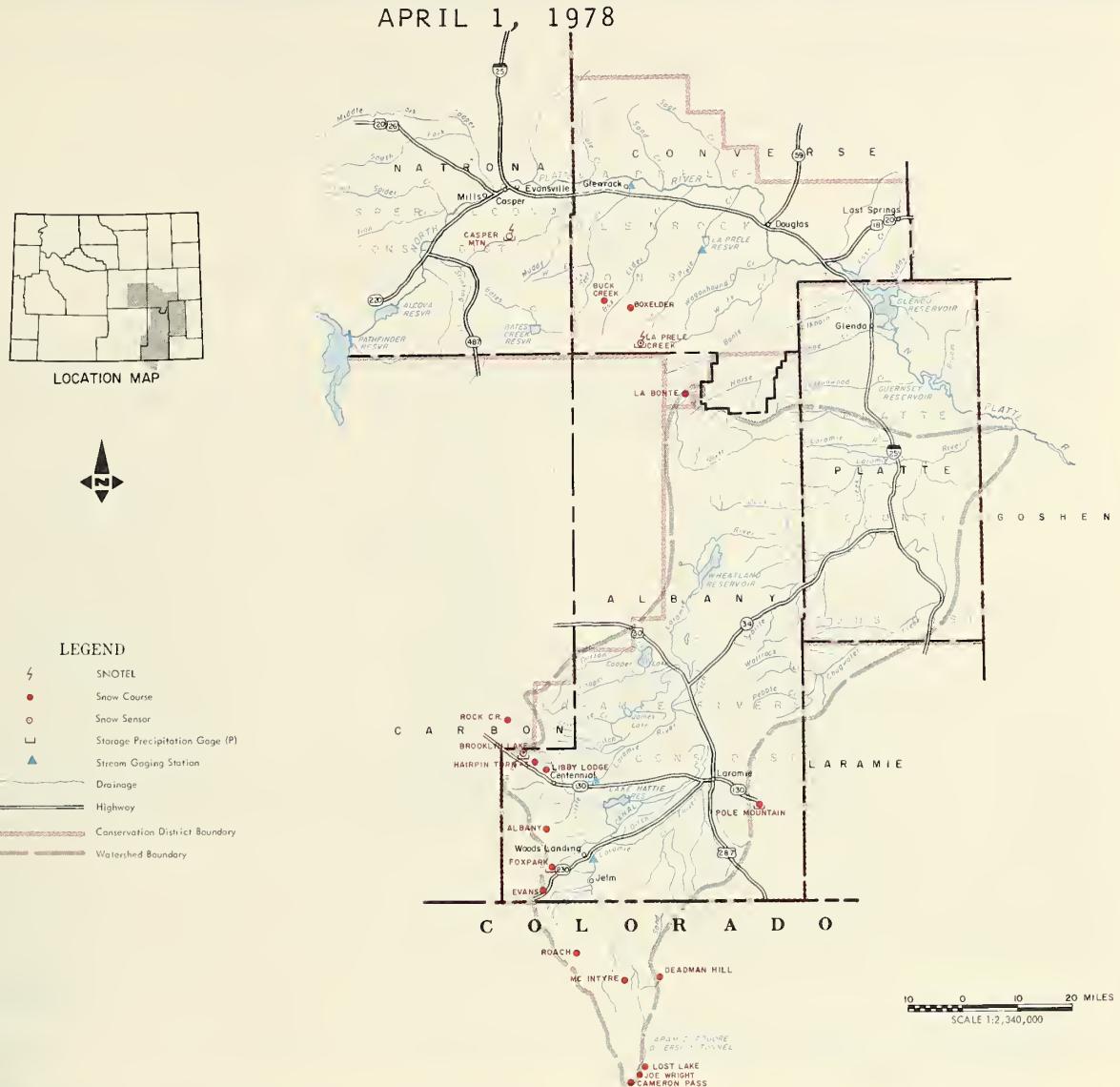
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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING



YOUR WATER SUPPLY

NEAR AVERAGE TO 39% ABOVE AVERAGE FLOWS ARE FORECAST FOR THIS SPRING AND SUMMER. THE LARAMIE RIVER FORECAST HAS DECREASED SLIGHTLY BUT STILL REMAINS WELL ABOVE NORMAL. SNOW-PACKS HAVE GENERALLY DECREASED DUE TO WARM TEMPERATURES. RESERVOIR STORAGE IS ABOVE NORMAL AT PATHFINDER AND GLENDO RESERVOIRS WHILE OTHERS ARE BELOW THE AVERAGE APRIL 1 VOLUMES.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year **	Average +
North Platte River near Sinclair	850	131	Apr-Sept	257	648
Deer Creek at Glenrock	19.5	75	Mar-July	30	26
LaPrele Creek near Douglas (Ab. Reservoir)	19.0	106	Mar-July	13.2	18
Laramie River & Pioneer Canal near Woods (1)	150	118	Apr-Sept	67	127
Little Laramie River near Filmore	86	139	Apr-Sept	32	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Laramie River	8	229	124
Little Laramie	5	281	144
Lower North Platte	3	92	91

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Seminoel	1010.5	249.2	488.1	293.1
Pathfinder	1015.9	493.5	735.8	416.9
Alcova	30.7	2.7	2.8	11.5
Glendo	783.7	450.3	432.9	400.6*
Guernsey	45.2	16.0	8.6	25.4
Wheatland #2	98.9	28.0	36.3	45.9
<u>PROJECT WATER OWNERSHIP</u>				
North Platte Project	1016.1	297.8		
Kendrick Project	1201.6	795.3		
Glendo Project Users	454.3	141.1		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches) Last Yr. Ave +
Albany	3/27	52	20.0	7.4 14.9
Boxelder	3/31	23	7.1	7.7 8.0
Brooklyn Lake	3/27	78	32.0	10.8 23.0
Buck Creek	3/31	25	7.6	11.8 -
Cameron Pass	3/30	78	32.0	17.6 28.7
Casper Mountain	3/31	35	10.7	14.5 15.0
Deadman Hill	3/29	60	21.2	7.2 -
Evans	3/30	40	15.8	6.5 11.9
Foxpark	3/27	40	14.1	4.1 7.1
Hairpin Turn	3/29	61	24.8	8.1 17.7
Joe Wright	3/30	75	29.2	16.8 25.3
LaBonte	3/25	25	7.7	5.5 5.0
Libby Lodge	3/29	43	16.3	7.7 11.6
Lost Lake	3/31	40	14.8	3.8 11.8
McIntyre	3/28	36	12.6	5.6 10.8
Pole Mountain	3/29	21	6.0	4.0 5.9
Roach	3/28	64	21.5	10.5 18.2
Rock Creek	3/27	90	36.4	22.4 28.4

+ 1958-1972 period

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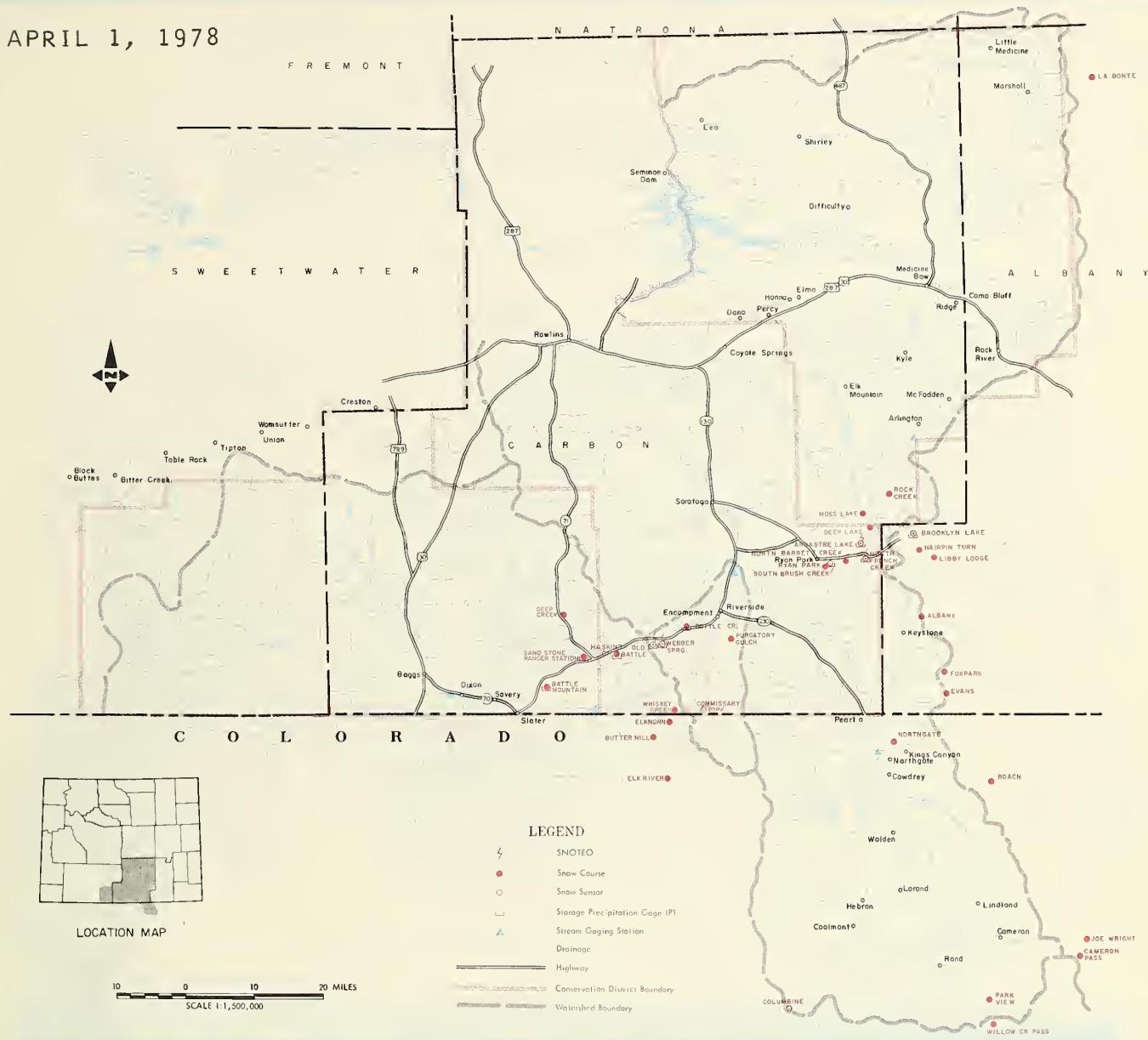


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

APRIL 1, 1978



YOUR WATER SUPPLY

FORECASTS OF SUMMER STREAMFLOWS CONTINUE TO BE WELL ABOVE AVERAGE IN THIS AREA WITH SOME INCREASES OVER LAST MONTH. VOLUMES FORECAST RANGE FROM 29 TO 56% ABOVE APRIL 1 AVERAGES. SNOWPACK IS 33 TO 43% ABOVE NORMAL. SEMINOE RESERVOIR STORAGE IS PRESENTLY BELOW NORMAL.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	
				Last Year **	Average +
North Platte River near Northgate	310	129	Apr-Sept	63	240
North Platte River near Sinclair	850	131	Apr-Sept	257	648
Encampment River near Encampment	184	130	Apr-Sept	55	141
Rock Creek near Arlington	76	138	Apr-Sept	32	55
Little Snake near Dixon	470	156	Apr-Sept	55	301
Little Snake near Slater, Colo.	220	152	Apr-Sept	-	145

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper North Platte	14	202	133
Medicine Bow River and Rock Creek	4	202	131
Little Snake	2	264	143

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Seminole	1010.5	249.2	488.1	293.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.		
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	Last Yr.	Ave.+
Albany	3/27	52	20.0	7.4	14.9	
Battle Mountain	3/28	39	15.6	5.5	-	
Brooklyn Lake	3/27	78	32.0	10.8	23.0	
Butter Hill	3/28	52	20.2	7.3	-	
Cameron Pass	3/30	78	32.0	17.6	28.7	
Deep Creek	3/28	53	21.2	8.0	-	
Deep Lake	3/27	129	53.8	26.8	42.9	
Elkhorn	3/28	92	37.9	13.2	-	
Elk River	3/29	66	27.1	9.4	-	
Evans	3/30	40	15.8	6.5	11.9	
Foxpark	3/27	40	14.1	4.1	7.1	
Hairpin Turn	3/29	61	24.8	8.1	17.7	
Haskins Creek	3/28	113	46.2	14.8	-	
LaBonte	3/25	25	7.7	5.5	5.0	
Libby Lodge	3/29	43	16.3	7.7	11.6	
Moss Lake	3/27	86	35.5	18.1	26.2	
North Barrett Creek	3/27	72	26.4	18.1	21.6	
North French Creek Pillow	3/27	-	33.7	18.1	23.4	
Old Battle	3/28	109	46.8	18.6	33.8	
Purgatory Gulch	3/28	38	12.0	6.0	11.3	
Rock Creek	3/27	90	36.4	22.4	28.4	
Ryan Park	3/27	41	15.9	10.1	11.4	
Sandstone R.S.	3/28	55	23.6	7.2	-	
Webber Spring	3/28	71	30.6	12.9	20.0	
Whiskey Creek	3/28	96	39.8	16.0	-	

+ 1958-1972 period

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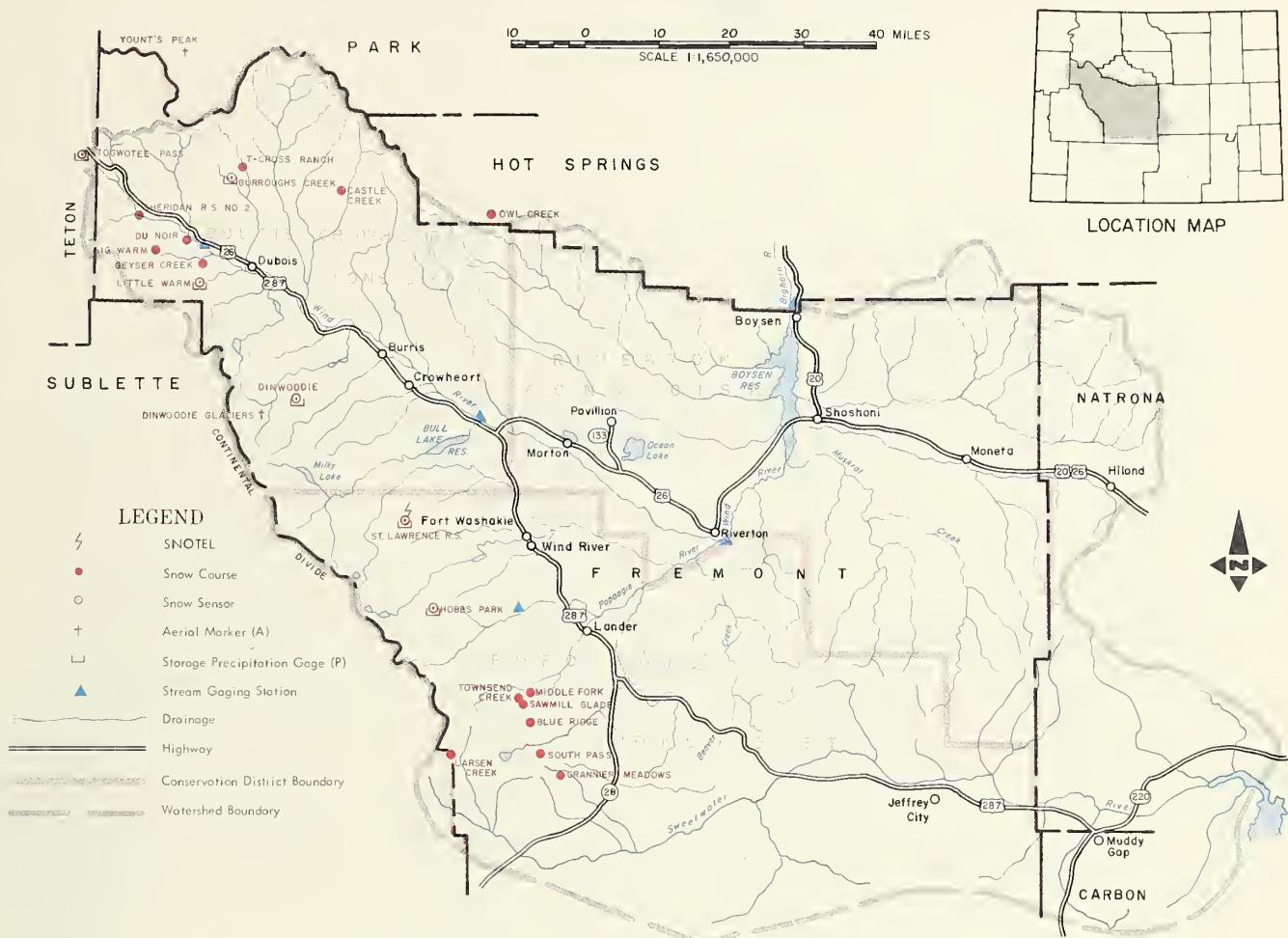


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

**WATER SUPPLY OUTLOOK
FOR THE CONSERVATION DISTRICTS IN THE
WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED
IN WYOMING**

APRIL 1, 1978



YOUR WATER SUPPLY

SNOWPACKS RANGE FROM 33% BELOW NORMAL IN THE POPO AGIE TO 28% ABOVE NORMAL IN THE UPPER WIND RIVER DRAINAGES. THIS DECREASE CAUSED BY EARLY WARM WEATHER IS ALSO REFLECTED IN THE STREAMFLOW FORECASTS WHICH ARE GENERALLY ABOUT 5% BELOW LAST MONTHS. LITTLE POPO AGIE FORECAST IS LOWEST AT 83% OF NORMAL. RESERVOIR STORAGE IS ABOVE THE USUAL APRIL 1 FIGURE.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year **	Average +
Wind River near Dubois	150	147	Apr-Sept	42	102
Wind River at Riverton (1)	810	122	Apr-Sept	292	664
Wind River below Boysen (2)	1070	106	Apr-Sept	479	1006
Bull Lake Creek near Lenore (3)	175	96	Apr-Sept	105	182
Little Popo Agie near Lander	40	83	Apr-Sept	20	48

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.
 (2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(3) Observed flow plus change in storage in Bull Lake

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF		Last Year	Average +
		Last Year	Average		
Wind River	9	321	128		
Popo Agie	5	101	67		
Sweetwater	3	179	103		

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage			Last Year	Average +
		This Year	Last Year	Average		
Bull Lake	151.8	80.0	54.0	75.2		
Pilot Butte	31.6	13.4	15.1	22.1		
Boysen	549.9	282.5	307.3	230.3		

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches) Last Yr. Ave.+
Big Warm Springs	3/27	25	7.8	1.6 6.8
Blueridge	3/31	23	8.0	8.6 12.1
Burroughs Creek	3/27	51	20.6	4.1 13.4
Castle Creek	3/28	23	6.1	1.6 -
Dinwoody	3/28	39	11.2	5.0 12.1
Dunoir	3/27	32	10.5	2.6 8.1
Geyser Creek	3/27	30	9.4	2.2 7.0
Grannier Meadows	3/31	37	12.3	8.8 14.3
Hobbs Park	3/28	32	8.8	8.3 13.9
Larsen Creek	3/28	48	17.1	5.7 11.9
Little Warm	3/27	59	22.8	7.7 16.4
Middle Fork	3/29	0	0.0	9.8 6.9
Owl Creek	4/01	5	1.4	4.3 6.2
Sawmill Glade	3/31	12	4.5	6.6 9.0
Sheridan R.S.	3/29	28	8.9	2.4 7.6
South Pass	3/31	38	12.6	9.0 14.6
St. Lawrence R.S.	3/28	16	3.8	4.9 7.0
T-Cross Ranch	3/28	29	10.3	0.8 5.8
Togwotee Pass	3/30	87	36.0	16.4 30.6
Younts Peak Aerial	3/28	63	25.2	10.2 24.2

+ 1958-1972 period

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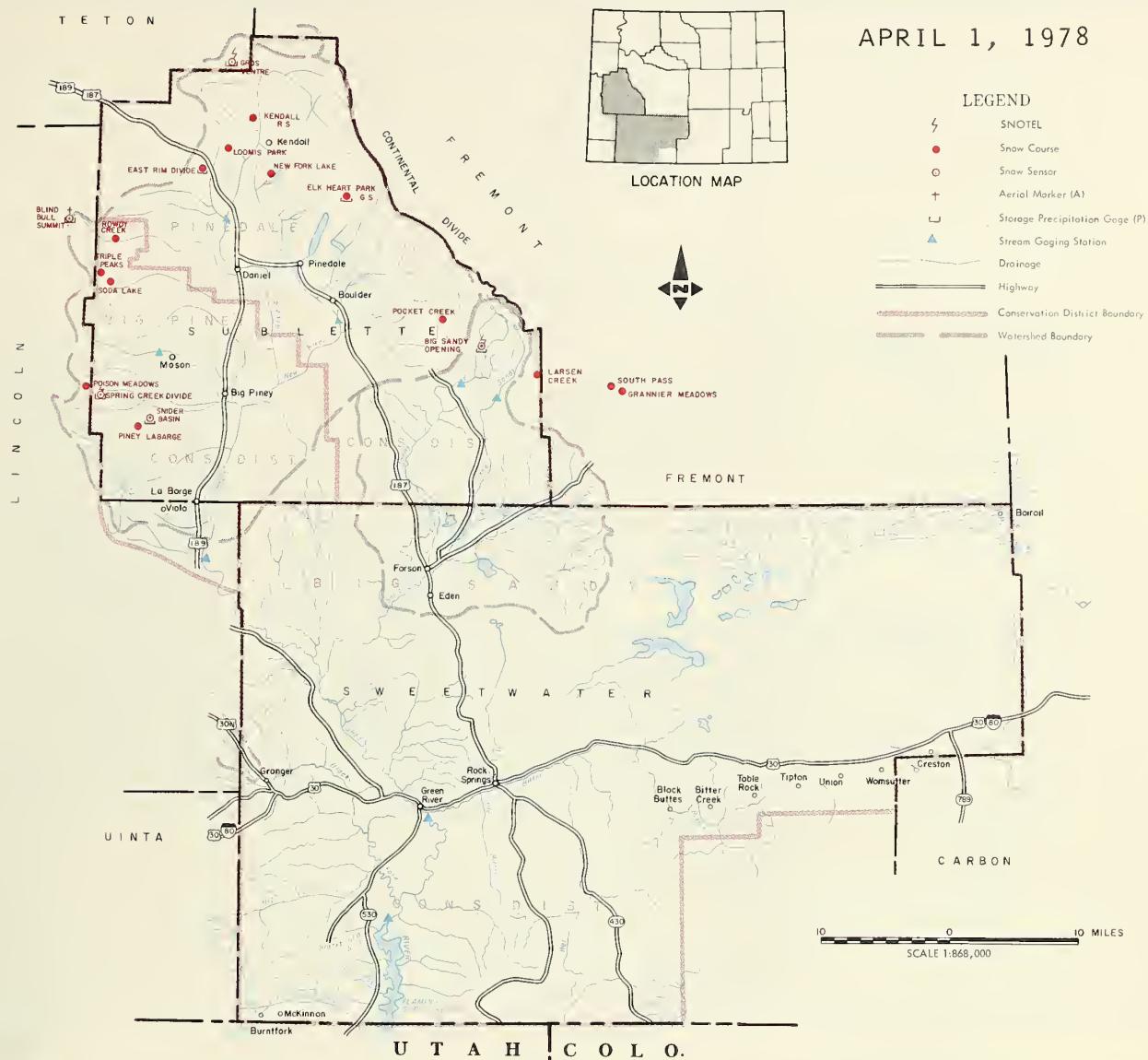
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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING



YOUR WATER SUPPLY

EXCELLENT WATER SUPPLIES ARE FORECAST FOR THE UPPER GREEN RIVER BASIN. WARM TEMPERATURES IN MARCH PRODUCED SOME EARLY SNOWMELT, BUT PRECIPITATION WAS ABOVE NORMAL AND STREAMFLOW VOLUMES ARE EXPECTED TO BE AS HIGH AS 35% ABOVE NORMAL.

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year **	Average +
Green River at Warren Bridge	410	125	Apr-Sept	165	327
Green River near LaBarge	1260	135	Apr-Sept	288	931
Green River near Green River (1)	1340	135	Apr-Sept	279	989
Flaming Gorge Inflow	1390	118	Apr-July	1233	1174
LaBarge Creek at LaBarge Meadows	11.8	131	Apr-Sept	2.6	9.0
Big Sandy River near Big Sandy	60	105	Apr-Sept	26	57

(1) Observed flow plus change in storage in Fontenelle Reservoir.
** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper Green, East side	8	312	136
Upper Green, West side	6	362	131
Big Sandy	2	265	132

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Eden	11.8	4.4	6.2	2.8*
Big Sandy	38.3	11.4	20.1	16.5
Fontenelle	344.8	205.4	182.3	--
Flaming Gorge	3749.0	1998.0	2522.9	1588.0

*Less than 15 years in period of average

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (in.)	THIS YEAR		PAST REC	
			Water Cont (in.)	Water Content (inches)	Last Yr.	Ave +
Big Sandy Opening	3/28	55	19.1	6.0	15.0	
Blind Bull Summit Aerial	3/27	106	34.6	9.3	28.2	
East Rim Divide	3/28	51	19.8	6.2	13.4	
Elkhart Park	3/28	56	20.8	6.9	15.3	
Grannier Meadows	3/31	37	12.3	8.8	14.3	
Gros Ventre Summit	3/30	42	13.0	5.7	12.8	
Kendall R.S.	3/30	46	19.2	4.8	13.3	
Larsen Creek	3/28	48	17.1	5.7	11.9	
Loomis Park	3/28	66	27.6	6.7	18.8	
New Fork Lake	3/30	48	17.4	5.4	12.3	
Pocket Creek	3/28	55	17.5	7.8	12.8	
Poison Meadows	3/31	95	38.8	11.6	30.9	
Rowdy Creek	3/29	78	29.6	8.2	23.2	
Snider Basin R.S.	3/31	52	22.4	6.2	17.4	
Spring Creek Divide Pillow	3/31	80	27.8	7.2	--	
South Pass	3/31	38	12.6	9.0	14.6	
Triple Peaks	3/29	91	40.2	8.6	27.0	

+ 1958-1972 period

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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

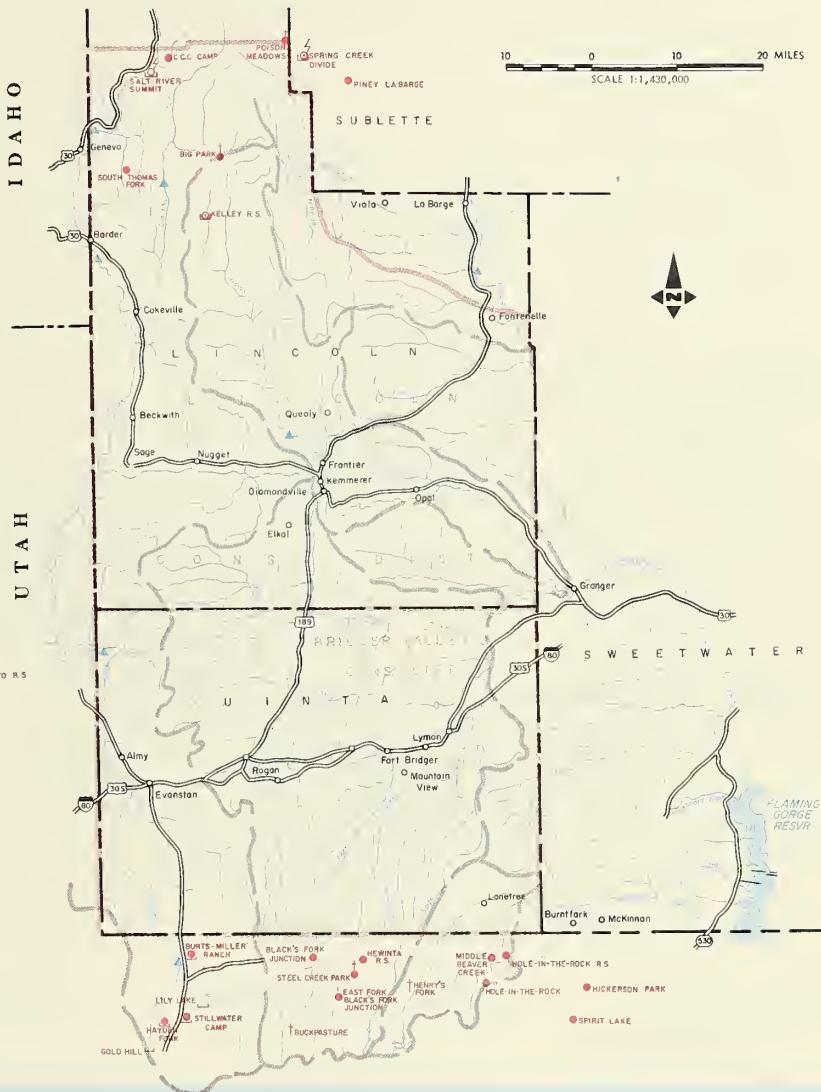
APRIL 1, 1978

LEGEND

- SNOTEL
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Dri nage
- Highway
- Conservation District Boundary
- Watershed Boundary



LOCATION MAP



YOUR WATER SUPPLY

STREAMFLOW VOLUMES FOR THE SPRING AND SUMMER MONTHS ARE FORECAST SLIGHTLY BELOW AVERAGE FOR STREAMS ORIGINATING IN THE UNTA MOUNTAINS AND MUCH ABOVE AVERAGE FOR STREAMS ORIGINATING IN THE WYOMING AND SALT RIVER RANGES. THE MOUNTAIN SNOWPACK IS NEAR AVERAGE IN THE BLACKS FORK, BEAR AND HENRY'S FORK WATERSHEDS AND 25-50% ABOVE NORMAL IN THE SMITHS, THOMAS FORK AND GREEN RIVER WATERSHEDS. RESERVOIR STORAGE IS ABOVE NORMAL.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average +
LaBarge Creek at LaBarge Meadows	11.8	131	Apr-Sept	2.6	9.0
Green River near Green River (1)	1340	135	Apr-Sept	279	989
Hams Fork below Pole Creek, near Frontier	92	133	Apr-Sept	-	69
Blacks Fork near Millburne	85	90	Apr-July	44	94
Flaming Gorge Inflow	1390	118	Apr-July	1233	1174
Smiths Fork near Border	155	134	Apr-Sept	27	116
Thomas Fork near State Line	44	138	Apr-Sept	3.8	32
Bear River at Utah-Wyoming State Line	105	94	Apr-July	41	112
Henry's Fork near Manila, Utah	40	89	Apr-Sept	3.6	45

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF		THIS YEAR	PAST REC					
		Last Year	Average +			Date of Survey	Snow Depth (In.)	Water Content (inches)	Last Yr.	Ave +
Bear River	4	193	104							
Smiths & Thomas Forks	4	326	127							

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage			THIS YEAR	Last Year	Average +	THIS YEAR	PAST REC
		This Year	Last Year	Average +					
Fontenelle	344.8	205.4	182.3	-					
Flaming Gorge	3749.0	1998.0	2522.9	1588.0					
Viva Naughton	42.4	19.5	30.2	29.1 *					

*Average for period of record - furnished by Utah Power and Light.

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BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)
	Last Yr.	Ave.	+	
Afton Ranger Station	3/30	0	0.0	0.0 1.0
Albany	3/27	52	20.0	7.4 14.9
Arizona	3/30	62	25.3	6.9 19.4
Arrastre Lake Pillow	- No Report -		19.2	-
Aster Creek	3/29	76	34.1	10.5 31.0
Bald Mountain*	3/29	73	25.8	28.4 24.0
Bald Mountain Pillow	- No Report -		-	-
Base Camp	3/30	61	26.8	7.5 20.1
Battle Mountain	3/28	39	15.6	5.5 -
Bearlodge Divide	3/30	0	0.0	7.2 3.2 a
Bear Trap Aerial	3/29	35	10.2	11.0 9.8 a
Big Goose R.S.*	3/29	25	5.7	12.0 8.3
Big Park *	3/31	63	25.8	8.4 21.5
Big Sandy Opening*	3/28	55	19.1	6.0 15.0
Big Sandy Opening Pillow	3/28	-	14.9	9.9 -
Big Warm Springs	3/27	25	7.8	1.6 6.8
Blackrock	3/30	68	27.7	12.2 22.3
Black's Fork Junction	3/27	31	9.8	6.4 9.3
Blind Bull Summit Aerial	3/27	106	34.6	9.3 28.2 a
Blind Bull Summit Pillow	- No Report -		-	-
Blue Ridge*	3/31	23	8.0	8.6 12.1
Bone Spring Divide*	3/29	59	19.5	20.5 19.1
Boxelder	3/31	23	7.1	7.7 8.0
Brooklyn Lake*	3/27	78	32.0	10.8 23.0
Brooklyn Lake Pillow	- No Report -		11.6	-
Bryan Flat*	3/29	29	11.0	3.2 9.1
Buck Creek	3/31	25	7.6	11.8 -
Burgess Ranger Station*	3/29	28	7.7	14.9 8.4
Burgess Ranger Sta. Pillow	- No Report -		-	-
Burroughs Creek	3/27	51	20.6	4.1 13.4
Burroughs Creek Pillow	3/27	-	19.2	6.1 -
Burts-Miller Ranch	3/27	13	5.1	4.1 5.9
Butter Hill*	3/28	52	20.2	7.3 -
Cameron Pass	3/30	78	32.0	17.6 28.7
Canyon	3/31	47	18.2	7.2 16.5
Canyon Pillow	- No Report -		-	-
Carter Mountain	3/30	13	3.8	4.2 4.9
Casper Mountain	3/31	35	10.7	14.5 15.0
Casper Mountain Pillow	3/31	-	8.8	13.1 -
Castle Creek	3/28	23	6.1	1.6 -
CCC Camp*	3/30	37	16.2	7.6 12.5
Chambers Lake	3/29	33	13.1	2.1 9.6
Cloud Peak Aerial	3/29	36	10.4	13.2 13.0 a
Columbine Lodge	3/30	78	34.9	15.0 24.0
Cooke Station	3/31	65	27.6	12.4 20.5
Cottonwood Lake Aerial	3/27	62	26.0	8.7 16.8 a
Cottonwood Lake Pillow	- No Report -		-	-
Coulter Creek	3/30	64	30.2	11.4 22.2
Crevice Mountain	3/30	44	15.5	8.0 10.8
Darby Canyon	3/29	68	25.8	13.1 -
Deadman Hill	3/29	60	21.2	7.2 -
Deep Creek*	3/28	53	21.2	8.0 -
Deep Lake	3/27	129	53.8	26.8 42.9 a
Dinwoody *	3/28	39	11.2	5.0 12.1
Dinwoody Pillow	- No Report -		-	-
Dome Lake	3/29	32	8.8	13.6 10.6
Dome Lake Pillow	- No Report -		-	-
DuNoir	3/27	32	10.5	2.6 8.1
East Entrance*	4/01	27	11.4	4.8 8.9
East Fork Black's Fork GS	3/27	39	11.0	6.4 9.4
East Rim Divide*	3/28	51	19.8	6.2 13.4
Elbo Ranch	3/30	44	14.5	- -
Elkhart Park G.S.*	3/28	56	20.8	6.9 15.3
Elkhorn*	3/28	92	37.9	13.2 -
Elk River	3/29	66	27.1	9.4 -

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)
	Last Yr.	Ave.	+	
Evans	3/30	40	15.8	6.5 11.9
Fisher Creek	3/31	99	43.7	22.8 38.5
Fisher Creek Pillow	3/31	-	40.2	23.3 35.0
Five Springs Falls	3/31	27	8.7	11.4 7.9
Four Mile Meadows	3/30	43	16.9	7.4 13.6
Foxpark*	3/27	40	14.1	4.1 7.1
Fred's Mountain	3/29	75	28.5	13.6 -
Geneva Pass Aerial	3/29	50	17.5	14.0 17.3
Geyser Creek	3/27	30	9.4	2.2 7.0
Glade Creek	3/29	67	29.5	11.1 22.2
Grannier Meadows*	3/31	37	12.3	8.8 14.3
Grassy Lake	3/29	98	43.1	18.1 35.0
Greys Boundary*	3/30	37	16.2	7.1 11.8
Gros Ventre Summit*	3/30	42	13.0	5.7 12.8
Gros Ventre Summit Pillow	- No Report -		-	7.5 -
Grover Park Divide	3/30	36	15.0	7.3 12.8
Hairpin Turn*	3/29	61	24.8	8.1 17.7
Haskins Creek	3/28	113	46.2	14.8 -
Hayden Fork	3/27	47	17.2	9.9 16.2
Hewinta Guard Station	3/27	35	9.3	6.7 9.9
Hickerson Park	3/27	25	6.2	4.8 6.3
Hobbs Park*	3/28	32	8.8	8.3 13.9
Hobbs Park Pillow	- No Report -		-	-
Huckleberry Divide*	3/30	62	27.9	9.6 21.6
Indian Meadows	3/29	101	42.3	16.8 -
Jackpine Creek	3/29	64	24.3	10.7 -
Joe Wright	3/30	75	29.2	16.8 25.3
Kelley Ranger Station*	3/31	61	25.4	7.6 18.2
Kelley R.S. Pillow	- No Report -		5.7 -	-
Kendall Ranger Station*	3/30	46	19.2	4.8 13.3
LaBonte	3/25	25	7.7	5.5 5.0
Lake Camp	4/01	31	11.8	4.8 9.9
LaPrele Pillow	3/22	40	11.3	10.7 -
Larsen Creek*	3/28	48	17.1	5.7 11.9
Lewis Lake Divide	3/29	115	51.7	15.8 42.1
Lewis Lake Divide Pillow	3/29	121	47.0	- -
Libby Lodge	3/29	43	16.3	7.7 11.6
Little Warm	3/27	59	22.8	7.7 16.4
Little Warm Pillow	- No Report -		- -	-
Loomis Park*	3/28	66	27.6	6.7 18.8
Lost Lake	3/31	40	14.8	3.8 11.8
Lupine Creek	4/03	29	10.0	5.4 10.3
Mallo Pillow	- Delayed -		13.5 -	-
Marquette Creek	3/30	18	5.0	8.0 -
McIntyre	3/28	36	12.6	5.6 10.8
Medicine Lodge Lakes*	3/29	48	14.1	7.2 12.4
Middle Fork*	3/29	0	0.0	9.8 6.9
Middle Powder	- Delayed -		19.0 12.6 a	-
Middle Powder Pillow	- Delayed -		18.2 -	-
Miles Creek	3/29	38	16.2	9.7 -
Monte Cristo	3/29	62	27.7	11.2 26.1
Moran	3/30	36	15.1	5.6 12.6
Moran Bay	- No Report -		9.5 21.9	-
Moss Lake*	3/27	86	35.5	18.1 26.2
Mount Tom Pillow	- Delayed -		- -	-
Muddy Creek Guard Station*	3/29	18	3.6	4.6 4.1
New Fork Lake*	3/30	48	17.4	5.4 12.3
Norris Basin	4/03	29	11.9	6.1 11.0
North Barrett Creek	3/27	72	26.4	18.1 21.6
Northeast Entrance	4/01	30	11.8	5.4 9.5
Northeast Entrance Pillow	4/01	-	11.6	5.3 9.3
North French Creek Pillow	3/27	-	33.7	18.1 23.4
Northgate	3/30	23	6.9	3.5 6.5
North Tongue*	3/29	40	12.2	17.8e 14.2
Old Battle*	3/29	09	46.8	18.6 33.8

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)
		Last Yr.	Ave.	+
Old Battle Pillow	3/28	118	31.4	-
Old Faithful	4/03	34	14.1	5.2
Onion Gulch*	3/29	35	9.8	9.0
Owl Creek	4/01	5	1.4	4.3
Parkers Peak Aerial	3/28	93	38.1	14.7
Park View	3/29	30	10.0	5.9
Phillips Bench	3/30	94	40.7	15.6
Phillips Bench Pillow	3/30	-	42.7	10.5
Pitchstone Plateau Aerial	3/28	169	72.7	19.0
Pocket Creek*	3/28	55	17.5	7.8
Poison Meadows	3/31	95	38.8	11.6
Pole Mountain	3/29	21	6.0	4.0
Powder River Pass*	3/29	44	12.7	10.2
Purgatory Gulch	3/28	38	12.0	6.0
Rabbit Ears	3/30	92	37.7	13.9
Ranger Creek	3/29	40	12.0	5.8
Reuter Canyon*	3/30	21	3.2	17.2
Roach	3/28	64	21.5	10.5
Rock Creek*	3/27	90	36.4	22.4
Rowdy Creek	3/29	78	29.6	8.2
Ryan Park*	3/27	41	15.9	10.1
Salt River Summit	3/30	53	21.6	7.9
Salt River Summit Pillow	- No Report -		6.8	-
Sandstone Ranger Station*	3/28	55	23.6	7.2
Sawmill Divide	3/29	43	12.7	-
Sawmill Glade*	3/31	12	4.5	6.6
Shell Creek*	3/29	56	19.7	8.0
Shell Creek Pillow	- No Report -		-	-
Sheridan Ranger Station*	3/27	28	8.9	2.4
Snake River Station	3/29	65	28.5	9.2
Snider Basin Ranger Sta.*	3/31	52	22.4	6.2
Snow King Mountain	3/29	44	17.7	5.3
Soldier Park*	3/29	28	7.1	5.7
Sour Dough*	3/29	27	6.7	5.9
South Brush Creek Pillow	3/29	45	17.0	-
South Pass	3/31	38	12.6	9.0
South Thomas Fork	4/04	51	22.2	5.2
Spirit Lake	3/27	37	10.8	7.9
Spring Creek Divide Pillow	3/31	80	27.8	7.2
State Line	3/25	38	15.0	7.0
Steamboat Point*	3/29	27	7.7	13.4
Steel Creek Park	3/27	58	17.4	10.1
Stillwater Camp	3/27	34	11.8	6.9
St. Lawrence Ranger Sta.*	3/28	16	3.8	4.9
St. Lawrence R.S. Pillow	3/28	-	7.5	-
Sucker Creek*	3/29	37	11.5	18.0
Sweetwater Mountain Pillow	- Delayed -		11.2	-
Sylvan Lake Pillow	- No Report -		12.8	-
Sylvan Pass*	4/01	37	15.2	6.7
T-Cross Ranch	3/28	29	10.3	0.8
Teton Pass W.S.	3/30	77	33.2	13.1
Thumb Divide	3/29	52	20.8	6.8
Timber Creek	4/01	0	0.0	2.8
Togwotee Pass	3/30	87	36.0	16.4
Togwotee Pass Pillow	3/30	-	46.6	12.8
Townsend Creek	3/31	15	3.4	6.8
Trial Lake	3/28	74	27.4	9.3
Triple Peaks*	3/29	91	40.2	8.6
Turpin Meadows	3/30	34	13.7	4.9
Twenty-One Mile	3/29	48	20.5	7.8
Two Ocean Plateau Aerial	3/28	84	36.1	9.1
Tyrell Ranger Station	3/29	34	9.6	7.2
Upper Spearfish	3/30	15	3.2	14.4
Warren Peak	3/30	20	2.9	15.2
Webber Spring*	3/28	71	30.6	11.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)
		Last Yr.	Ave.	+
Webber Spring Pillow	3/28	80	37.4	11.2
West Yellowstone	3/28	35	14.4	5.0
Whiskey Creek*	3/28	96	39.8	16.0
White Mill	3/31	83	34.2	15.8
White Mill Pillow	3/31	-	32.5	15.6
Willow Creek Pass	3/29	44	14.8	7.2
Wolverine	3/29	42	16.8	5.8
Wood Rock Guard Station*	3/29	36	10.2	13.6
Young's Ranch Aerial	3/27	74	28.1	6.7
Younts Peak Aerial	3/28	63	25.2	10.2

* Snow course has been shortened or revised; prior records and averages adjusted.

a Less than 15 years in period of average.

b 1958-1972 adjusted average.

c Partly estimated.

Aerial - Aerial observation; water content estimated.

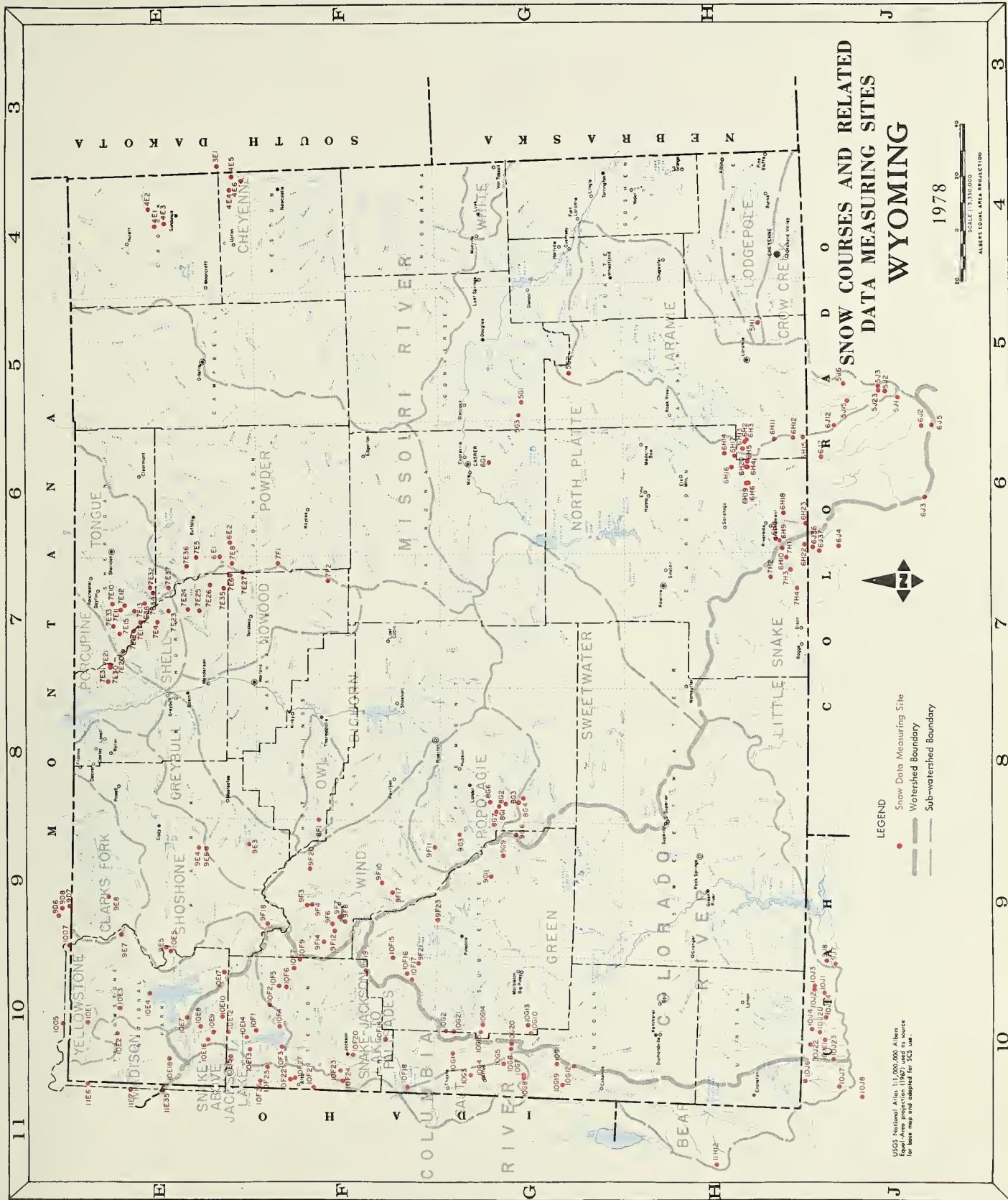
BASIC DATA SUPPLEMENT 2

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION		PAST RECORD	
		Date of Reading	Precipitation	Last Year	Average +
<u>LOWER YELLOWSTONE</u>					
Bald Mountain	9375	- No Report -	-	-	-
Burgess R.S.	7880	- No Report -	-	-	-
Burroughs Creek	8750	3/28 1.25	2.00	-	-
Carter Mountain	7950	3/30 1.75	3.80	-	-
Dinwoody	10000	3/28 5.88	-	-	-
Dome Lake	8850	- No Report -	-	-	-
Hobbs Park	10100	3/28 0.87	-	-	-
Little Warm	9425	- No Report -	-	-	-
Louis Lake	8500	3/31 1.25	-	2.17*	-
Middle Powder	7800	- No Report -	5.50	-	-
Onion Gulch	8780	- No Report -	3.40	-	-
Powder River Pass	9475	- No Report -	4.10	1.86*	-
Shell Creek	9600	- No Report -	-	-	-
St. Lawrence R.S.	8960	3/28 0.75	-	-	-
Sucker Creek	8880	- No Report -	-	-	-
Sylvan Lake	8420	- No Report -	4.62	-	-
Timber Creek	7950	4/01 0.60	2.20	-	-
Togwotee Pass	9600	3/30 2.05	4.20	4.02*	-
<u>NORTH PLATTE</u>					
Arrastre Lake	10275	- No Report -	-	-	-
Brooklyn Lake	10220	3/27 5.43	4.19	3.42*	-
Casper Mountain	7850	3/31 2.69	4.06	3.29*	-
North French Creek	10130	3/27 6.62	7.00	4.01*	-
Old Battle	9900	3/28 2.25	6.25	4.60*	-
Pole Mountain	8360	3/29 2.25	1.50	1.63*	-
Rock Creek	10100	3/27 6.72	5.40	-	-
South Brush Creek	8440	- No Report -	-	-	-
Webber Spring	9240	3/28 6.88	5.31	-	-
<u>GREEN RIVER</u>					
Battle Mountain	7440	- No Report -	1.50	-	-
Big Sandy Opening	9100	3/28 1.37	-	1.76*	-
East Rim Divide	7950	3/28 0.85	1.50	1.76*	-
Elkhart Park G.S.	9400	- No Report -	-	1.99*	-
Gros Ventre	8775	- No Report -	2.75	-	-
Haskins Creek	8800	- No Report -	5.63	-	-
Sandstone R.S.	8140	- No Report -	1.96	-	-
Snider Basin	8060	3/31 1.24	1.60	1.93*	-
Spring Creek Divide	9000	- No Report -	2.74	-	-
<u>SNAKE RIVER</u>					
Grassy Lake	7265	3/29 3.55	5.05	5.47*	-
Grover Park Divide	7000	3/30 3.00	3.95	-	-
Lewis Lake Divide	7860	3/29 3.65	5.20	6.17*	-
Moran (NWS)	6500	3/30 0.67	1.67	3.07	-
Phillips Bench	8200	3/30 4.75	3.75	-	-
Salt River Summit	7600	3/30 2.00	3.00	2.41*	-
Snake River Station (NWS)	6920	3/29 1.89	2.54	2.44*	-
<u>BEAR RIVER</u>					
Kelley R.S.	8180	3.31	2.45	3.00	2.60*
<u>BELLE FOURCHE</u>					
Bearlodge Divide	4680	- No Report -	3.04	1.35	-
Sweetwater Mountain	5860	- No Report -	2.25	-	-
Warren Peak	6520	3/30 0.75	1.75	0.94*	-

(NWS) National Weather Service gage.
* Less than 15 years in period of average

+ 1958-1972 period.



INDEX TO WYOMING SNOW COURSES AND DATA SITES

COURSE NAME AND COURSE NUMBER	WADING NUMBER	ELEV. FT.	LOCATION S.E.C.— N.W.P.— L.R.L.									
MISSOURI RIVER DRAINAGE												
Black Bear m.	11E5	7950	27	15S	5E	7950	44°49'	7950	44°46"	7950	44°46"	7950
Norris Basin	10E2	7500	44°49'	7500	44°49'	7500	44°49'	7500	44°49'	7500	44°49'	7500
Old Faithful	10E8	7400	44°27'	7400	44°27'	7400	44°27'	7400	44°27'	7400	44°27'	7400
21 Mile m.	11E6	7150	1	11S	5E	7150	44°27'	7150	44°27'	7150	44°27'	7150
West Yellowstone m.	11E7	6700	34	13S	5E	6700	44°27'	6700	44°27'	6700	44°27'	6700
Yellowstone	10E*	2940	44°44'	7950	44°44'	7950	44°44'	7950	44°44'	7950	44°44'	7950
Canyon	10E5	8400	22	9S	9E	8400	44°29'	8400	44°29'	8400	44°29'	8400
Gros Ventre Mountain m.	10E5	6900	44°29'	6900	44°29'	6900	44°29'	6900	44°29'	6900	44°29'	6900
East Entrance	10EAP	7780	44°33'	7780	44°33'	7780	44°33'	7780	44°33'	7780	44°33'	7780
Lake Camp	10E1	7380	44°55'	7380	44°55'	7380	44°55'	7380	44°55'	7380	44°55'	7380
Lupine Creek	10E7P	7400	33	9S	14E	7400	44°44'	7400	44°44'	7400	44°44'	7400
Parker's Peak	9E7A	9400	44°44'	9400	44°44'	9400	44°44'	9400	44°44'	9400	44°44'	9400
Patches Plateau	10E16A	8520	44°14'	8520	44°14'	8520	44°14'	8520	44°14'	8520	44°14'	8520
Thimble Divide	10E17A	9100	44°05'	9100	44°05'	9100	44°05'	9100	44°05'	9100	44°05'	9100
Syrinx Pass	10E5*	7200	44°29'	7200	44°29'	7200	44°29'	7200	44°29'	7200	44°29'	7200
Clark's Fork	907	8150	19	9S	15E	8150	43°91'	8150	43°91'	8150	43°91'	8150
Cookie Station m.	906	8199	11	9S	14E	8199	43°94'	8199	43°94'	8199	43°94'	8199
Fisher Creek m.	9E7A	9400	44°44'	9400	44°44'	9400	44°44'	9400	44°44'	9400	44°44'	9400
White Hill m.	9E8	8700	18	9S	15E	8700	44°28'	8700	44°28'	8700	44°28'	8700
Wolverine	9E8	7650	18	9S	15E	7650	44°28'	7650	44°28'	7650	44°28'	7650
Wind River	9E12	9370	29	42N	108W	9370	43°94'	9370	43°94'	9370	43°94'	9370
Bear Creek	9E8*	8750	19	43N	104W	8750	43°94'	8750	43°94'	8750	43°94'	8750
Castie Creek	9E20	8400	19	43N	104W	8400	43°94'	8400	43°94'	8400	43°94'	8400
Quarry Creek	9E20*	10160	33	38N	105W	10160	43°94'	10160	43°94'	10160	43°94'	10160
Oblique	9E6	8760	27	42N	108W	8760	43°94'	8760	43°94'	8760	43°94'	8760
Deadman Hill	9E7	8500	6	41N	107W	8500	43°94'	8500	43°94'	8500	43°94'	8500
Evans Hill	9E8	8700	18	41N	108W	8700	43°94'	8700	43°94'	8700	43°94'	8700
Foxpark	9E10	7620	3	42N	109W	7620	43°94'	7620	43°94'	7620	43°94'	7620
Naiburn Turn	9E11	9000	1	43N	107W	9000	43°94'	9000	43°94'	9000	43°94'	9000
Lobby Lodge	9E12	8800	19	43N	108W	8800	43°94'	8800	43°94'	8800	43°94'	8800
North Star	9E13	9100	32	43N	108W	9100	43°94'	9100	43°94'	9100	43°94'	9100
Mountain Creek	9E14	9100	35	43N	108W	9100	43°94'	9100	43°94'	9100	43°94'	9100
Mountain Creek	9E15	9100	35	43N	108W	9100	43°94'	9100	43°94'	9100	43°94'	9100
Roach c.	9E12	9800	15	11N	784	9800	43°94'	9800	43°94'	9800	43°94'	9800
Crow Creek	9E16	10285	2	10N	754	10285	43°94'	10285	43°94'	10285	43°94'	10285
Pole Mountain	9E17	10200	27	12N	784	10200	43°94'	10200	43°94'	10200	43°94'	10200
North Plate	9E18	9860	23	15N	714	9860	43°94'	9860	43°94'	9860	43°94'	9860
Albany	9E19	9320	17	14N	764	9320	43°94'	9320	43°94'	9320	43°94'	9320
Arsen Lake	9E20	9100	5	14N	764	9100	43°94'	9100	43°94'	9100	43°94'	9100
Bear Creek	9E21	9600	32	14N	764	9600	43°94'	9600	43°94'	9600	43°94'	9600
Bear Creek	9E22	9600	32	14N	764	9600	43°94'	9600	43°94'	9600	43°94'	9600
Boxelder	9E23	9780	13	14N	754	9780	43°94'	9780	43°94'	9780	43°94'	9780
LaBonne	9E24	9720	27	12N	754	9720	43°94'	9720	43°94'	9720	43°94'	9720
North Barret Creek	9E25	9880	27	17N	804	9880	43°94'	9880	43°94'	9880	43°94'	9880
North French Creek	9E26	9430	25	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E27	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E28	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E29	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E30	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E31	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E32	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E33	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E34	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E35	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E36	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E37	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E38	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E39	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E40	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E41	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E42	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E43	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E44	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E45	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E46	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E47	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E48	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E49	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E50	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E51	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E52	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E53	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E54	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E55	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E56	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E57	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E58	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E59	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E60	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E61	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E62	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E63	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E64	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E65	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E66	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E67	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E68	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E69	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E70	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430
North French Creek	9E71	9430	27	16N	804	9430	43°94'	9430	43°94'	9430	43°94'	9430

Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Indian Service

STATE

State Engineer of Wyoming

University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

PRIVATE

Irrigation Districts
Greybull Valley Irrigation District
Wheatland Irrigation District

Conservation Districts
Big Piney
Big Sandy
Bridger Valley
Clearwater
Cody
Dubois-Crowheart
Greybull-Shell
Lake DeSmet
LaPrele-Glenrock
Laramie Rivers
Lincoln
Little Snake River
Medicine Bow
Pinedale
Platte County
Powder River
Powell-Clarks Fork
Riverton
Saratoga-Encampment-Rawlins
Shoshone
Teton
Washakie



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